Henry R. Cornwall EXPLANATION Qal Qb Alluvium Playa lake deposits Basalt Flows, plugs, and cinder cones Fan and stream gravels flanking mountains and hills and grading outward into sands and silts in valley bottoms QTb QTal Older alluvium Basalt Flows and plugs Boulders, cobbles, and finer material of varied lithology in older, partly dissected fans Tth Ttr Trb Thirsty Canyon Tuff Trachyte Rhyolite of Black Mountain Rhyolitic ash-flow and ash-fall tuff Flows and intrusive masses Flows and intrus ons PLICKENE T1Tb Tt Ash-fall tuff and nonwelded ash-Welded tuff Quartz latite Basalt flow tuff Flows and intrusive masses Ash flows, mostly Flows and plugs rhyolitic; locally includes older ash flows Tp Timber Mountain and Paintbrush Tuffs and tuff of Crater Flat Includes ash-fall tuffs and conformably overlying Paintbrush (Miocene) and Timber Mountain (Pliocene) Tuffs. Consists of rhyolitic ash-flow and minor ash-fall tuffs Tws Ti Thr Indian Trail Formation Wahmonie and Salyer Formations Belted Range Tuff Dacite, rhyodacite and latite Includes rhyolite, rhyolitic Rhyolitic ash-flow and ash-fall tuff ash-flow and ash-fall tuff; flows breccias, tuffs, and locally includes older units tuffaceous sandstones Locally includes tuffaceous around Yucca Flat sediments underlying these formations Fraction Breccia Rhyolitic and quartz latitic Tg ash flows Granite porphyry Ta Intrusions Andesite llows and intrusive masses Tdv Tr Rhyolite Dacite vitrophyre Flows and Dacitic ash flows T1 intrusive Quartz latite masses Flows and intrusions Tts Td Ts Tuff and tuffaceous Tuffaceous sedimentary rocks Dacite Rocks of intermediate composition; sedimentary rocks includes flows and intrusive masses of dacite, less extensive rhyodacite, and minor andesite and quartz latite Tuff of White Blotch Spring Rhyolitic ash flows Twa Tuffs of Antelope Springs Welded ash-flow tuff Milltown Andesite Andesite flows and intrusive masses Tuff of Monotony Valley Rhyolitic ash-flow and ash-fall tuff Tw Ash-fall tuff and nonwelded Welded tuff Ash flows, mostly rhyolitic ash-flow tuff Ttc OLIGOCENE Titus Canyon Formation of Stock and Bode (1935) Conglomerate with interbedded sandstone, siltstone, limestone, and tuff Megabreccia Landslide blocks of monolithologic dolomite breccia from Bonanza King Formation Intrusive masses of quartz monzonite and granodiorite Tippipah Limestone Meiklejohn Formation Varicolored siltstone, claystone, and shale with interbedded sandstone, conglomerate, dark chert, and limestone Monte Cristo Limestone Sedimentary rocks, undivided MDe Eleana Formation Varicolored argillite, dark chert conglomerate, quartzite, shale, and limestone Dd Sultan Limestone Devils Gate Limestone Fluorspar Canyon Formation Ddn Dolomite, limestone and Devils Gate Limestone interbedded sandstone and Nevada Formation Dn Nevada Formation DSu Dolomitic sedimentary rocks, undivided Slm Lone Mountain Dolomite Srm Roberts Mountains Formation Pz u Platy dolomite and limestone Paleozoic sedimentary rocks, undivided Su Sedimentary rocks, undivided 0ee Ely Springs Dolomite (Middle and Upper Ordovician) and Eureka Quartzite (Middle Ordovician) Pogonip Group Limestone, shaly limestone, and minor dolomite Nopah Formation Dolomite, limestone, and minor shale €b Emigrant (?) ormation Bonanza King Formation Dolomite and limestone with alternating Claystone and limestone light- and dark-gray beds Carrara Formation Interbedded limestone, siltstone, and micaceous shale; locally includes rocks of lower part of Emigrant Formation in the Belted Range Zabriskie Quartzite €p€w Wood Canyon Formation Quartzitic sandstone, siltstone, micaceous shale, and marble p€r Reed Dolomite Stirling Quartzite Quartzite with interbedded mica schist and minor marble p€j P€w Wyman Formation Johnnie Formation Micaceous shale, fine-grained quartzite, Siltstone with limestone interbed and minor marble THE MAP IS PRELIMMARY AND HAS NOT BEEN EDITED OR REVIEW-ED FOR COMPORMITY WITH U.S. GEOLOGICAL SURVEY STANDARDS p€u Gneiss and schist, undivided

Contact
Dashed where approximately located

High-angle fault

Dashed where approximate; dotted where concealed

Ball is on downdropped side where this is known

Dotted where concealed. Sawteeth on upper plate

Low-angle thrust or fault

Strike and dip of beds and compaction foliation parallel to plane of flow

Strike and dip of overturned beds

Strike and dip of overturned beds

Mine sheft

Exploration shaft or adit

Preliminary geologic map of southern Nye County, Nevada